

# NFE61HT681D2A9#

“#” at the end indicates the package specification code.

In Production

AEC-Q200

RoHS

REACH

## < List of part numbers with package codes >

NFE61HT681D2A9B

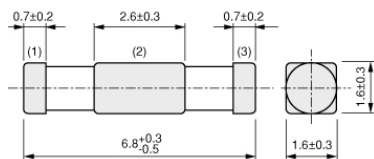
NFE61HT681D2A9K

NFE61HT681D2A9L

## Applications

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications  | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specific Applications    | Automotive powertrain/safety equipment, Automotive infotainment/comfort equipment, Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial Equipment<br>Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product. |
| Recommended Applications | Automotive powertrain/safety equipment                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Appearance & Shape



(in mm)

## Packaging Information

| Packaging | Specifications      | Standard Packing Quantity |
|-----------|---------------------|---------------------------|
| B         | Bulk(Bag)           | 500                       |
| K         | 330mm Embossed Tape | 8000                      |
| L         | 180mm Embossed Tape | 2500                      |

## Features

The T-type chip EMI Filter NFE61HT series consists of a feedthrough capacitor and ferrite beads.

### Features

1. Its large rated current of 2A and low voltage drop due to small DC resistance are suitable for DC power line use.
2. The feedthrough capacitor realizes excellent high frequency characteristics.
3. The structure incorporates built-in ferrite beads which minimize resonance with surrounding circuits.
4. 33 to 3,300pF lineups can be used in signal lines.

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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## Specifications

|                             |                |
|-----------------------------|----------------|
| Shape                       | SMD            |
| Size Code (in inch)         | 2706           |
| Length                      | 6.8mm          |
| Length Tolerance            | +0.3/-0.5mm    |
| Width                       | 1.6mm          |
| Width Tolerance             | ±0.3mm         |
| Thickness                   | 1.6mm          |
| Thickness Tolerance         | ±0.3mm         |
| Operating Temperature Range | -55°C to 125°C |
| Mass(typ.)                  | 0.062g         |
| Number of Circuit           | 1              |
| Rated Current               | 2A             |
| Rated Voltage               | 100Vdc         |
| Withstanding Voltage        | 250Vdc         |
| Insulation Resistance(min.) | 1000MΩ         |
| Capacitance                 | 680pF          |
| Capacitance Tolerance       | ±30%           |
| Size Code (in mm)           | 6816           |

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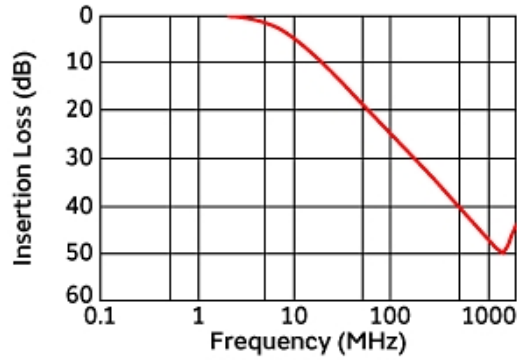
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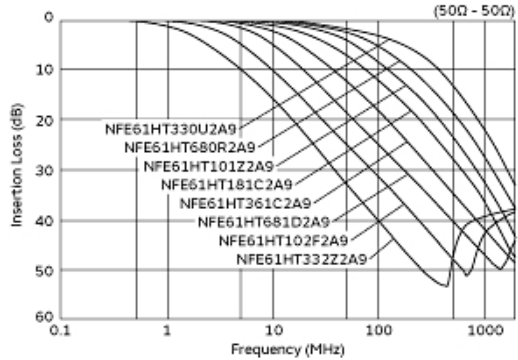
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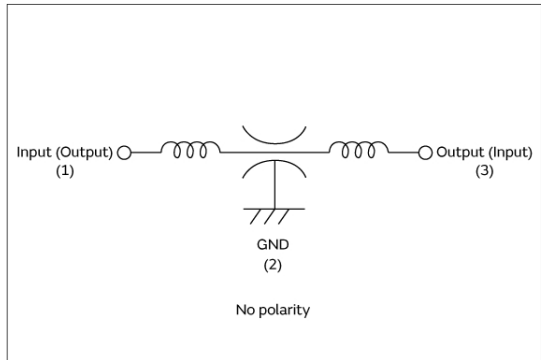
## Product Data



Insertion Loss Characteristics



Insertion Loss Characteristics (Main Items)



Equivalent Circuit

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